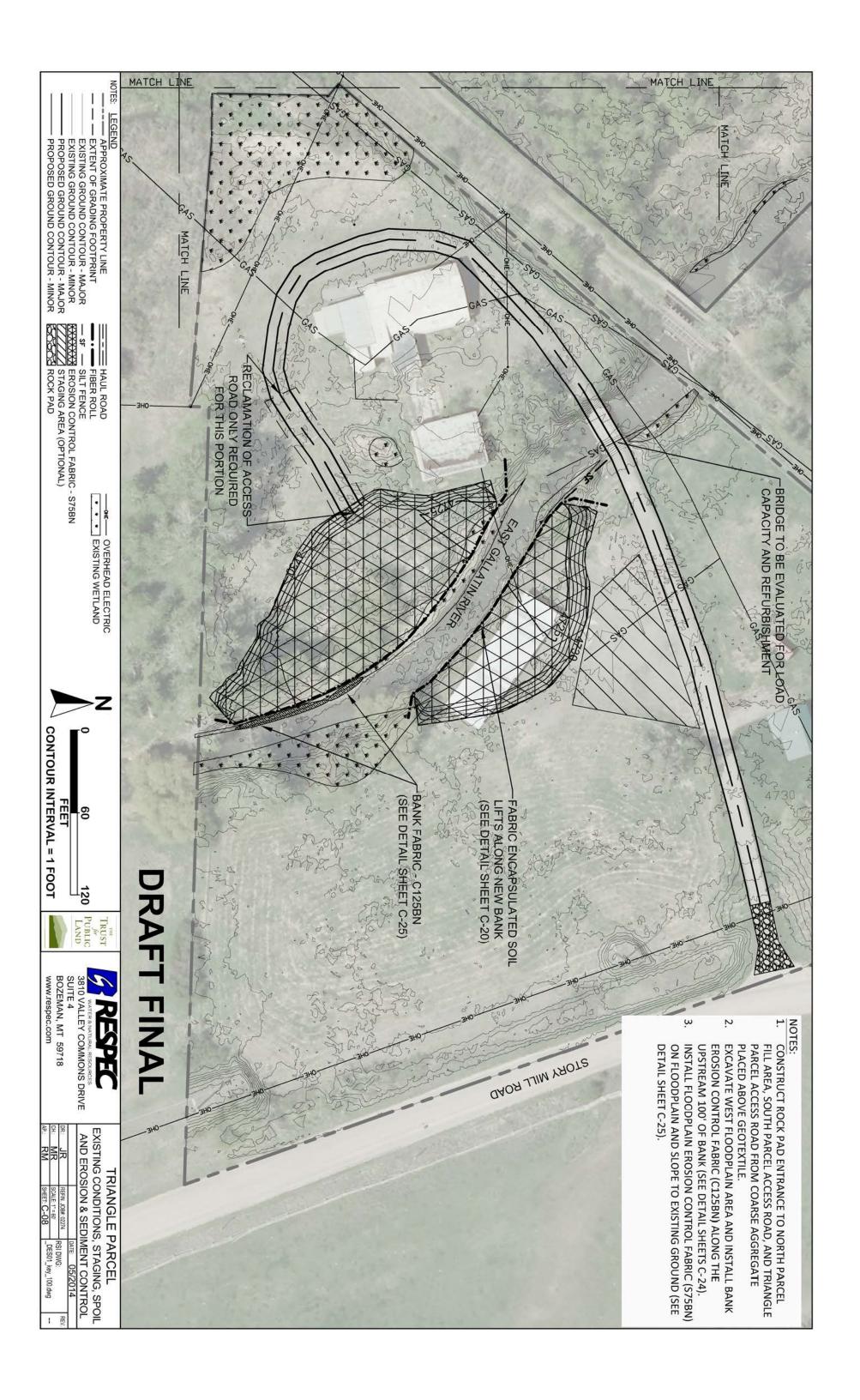
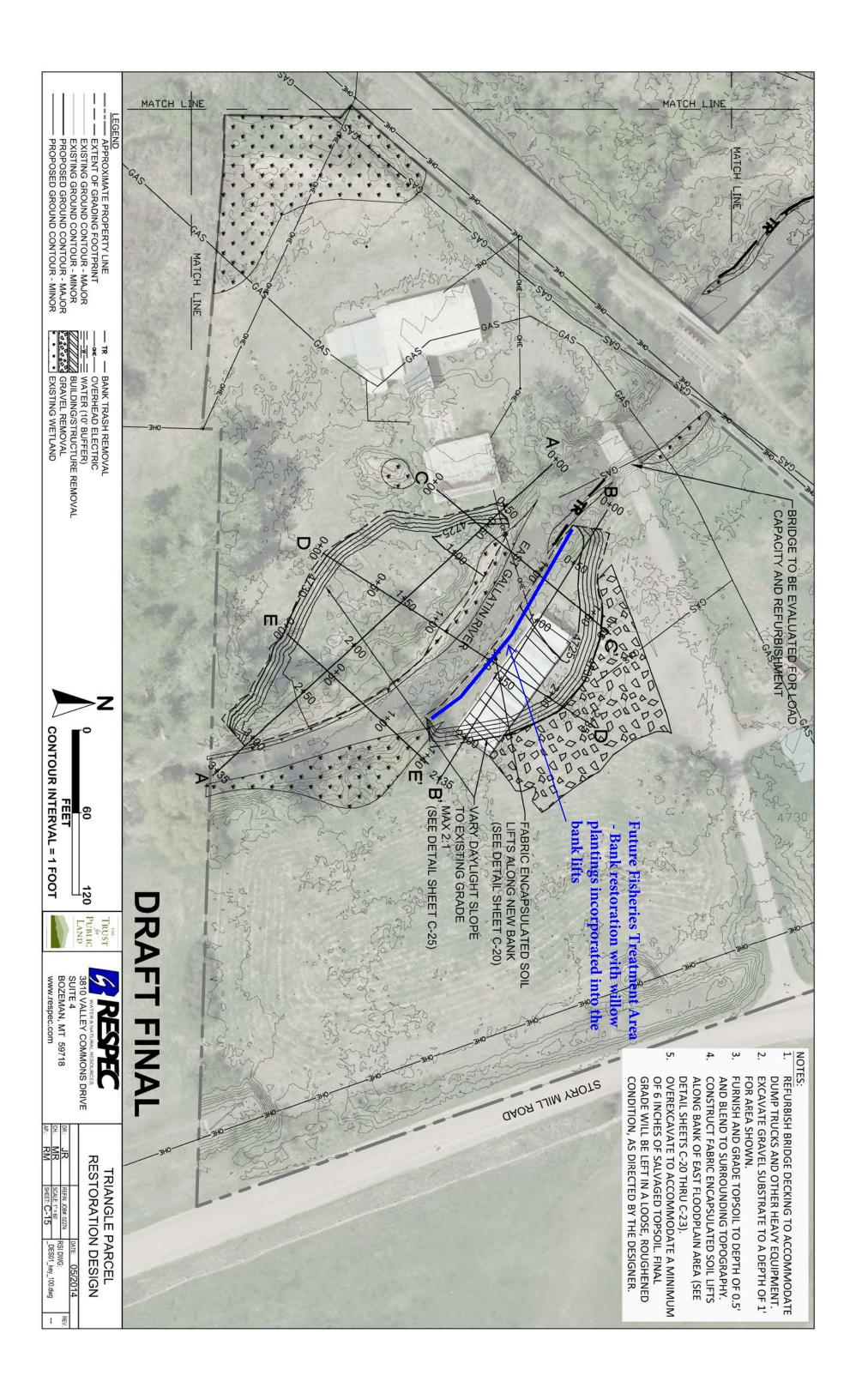
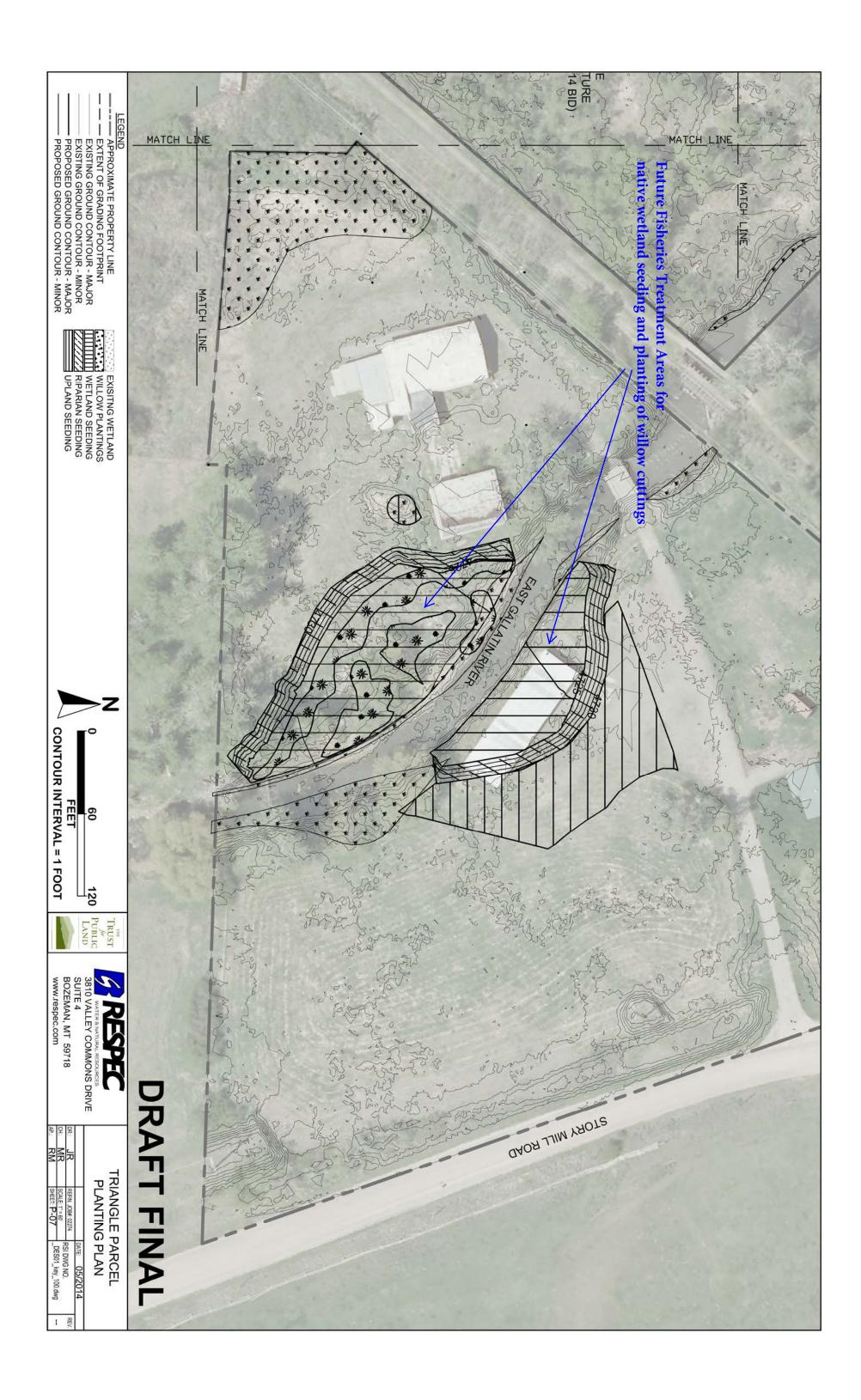
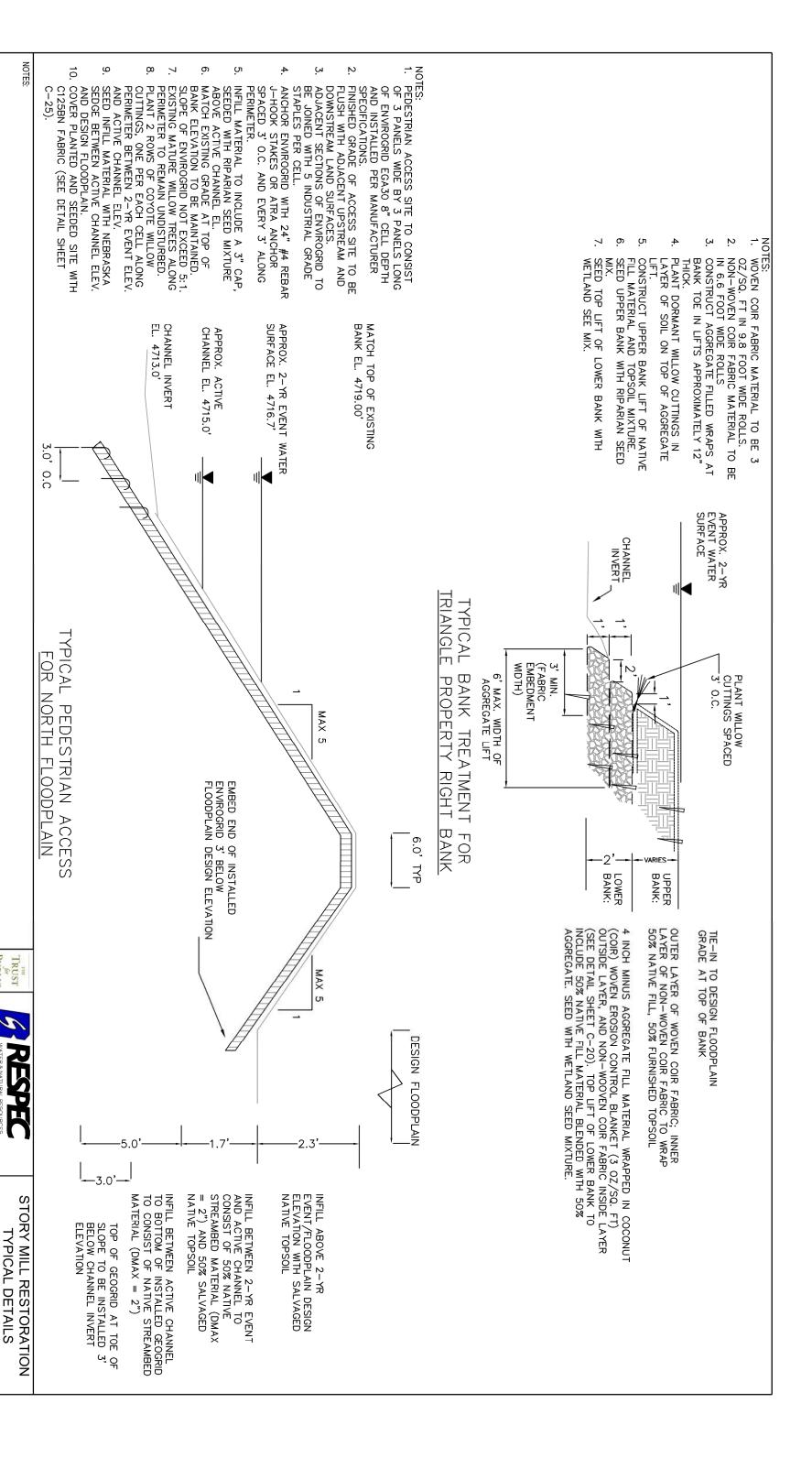
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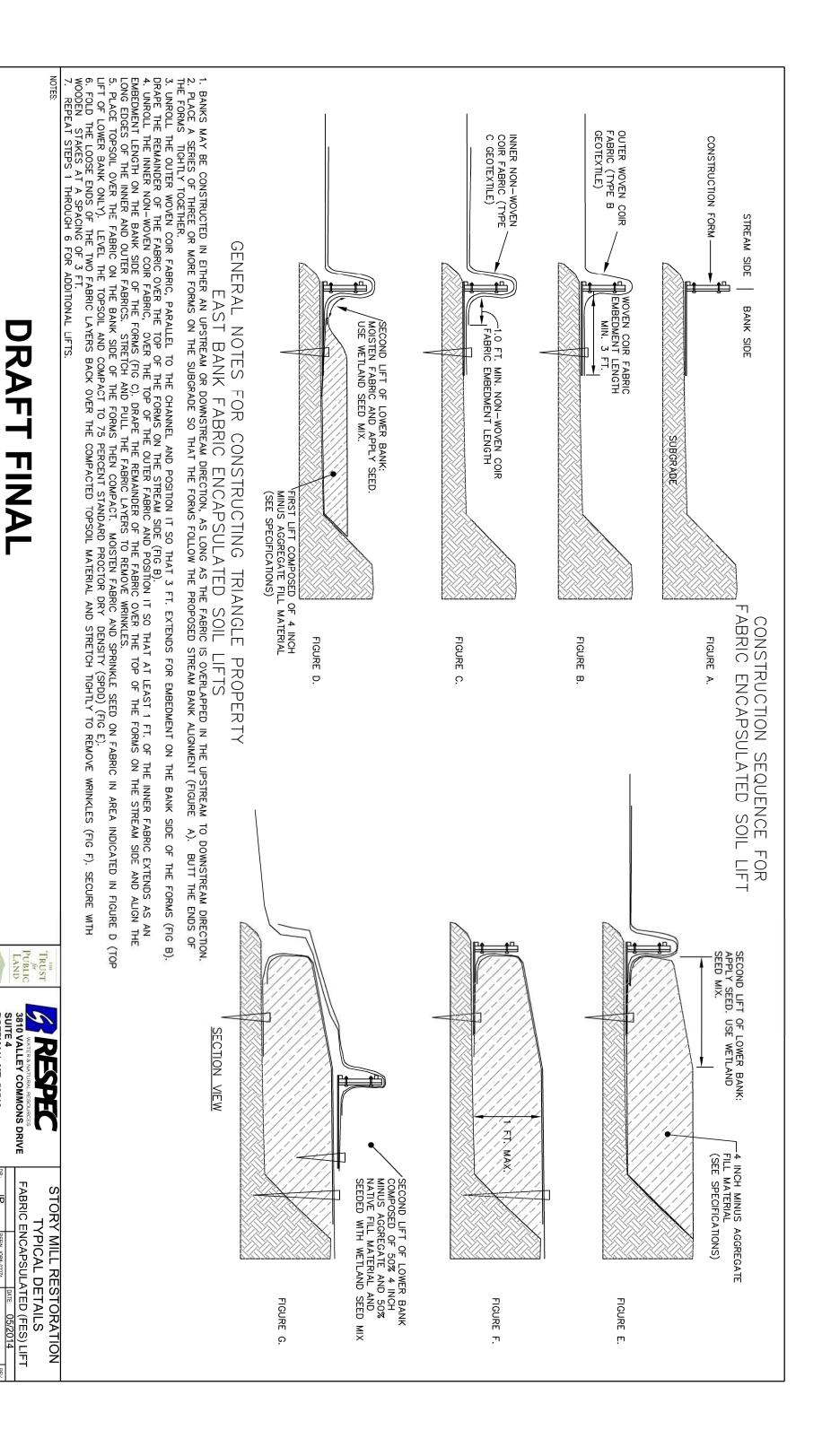
Y COMMONS DRIVE

BOZEMAN, MT 59718 www.respec.com

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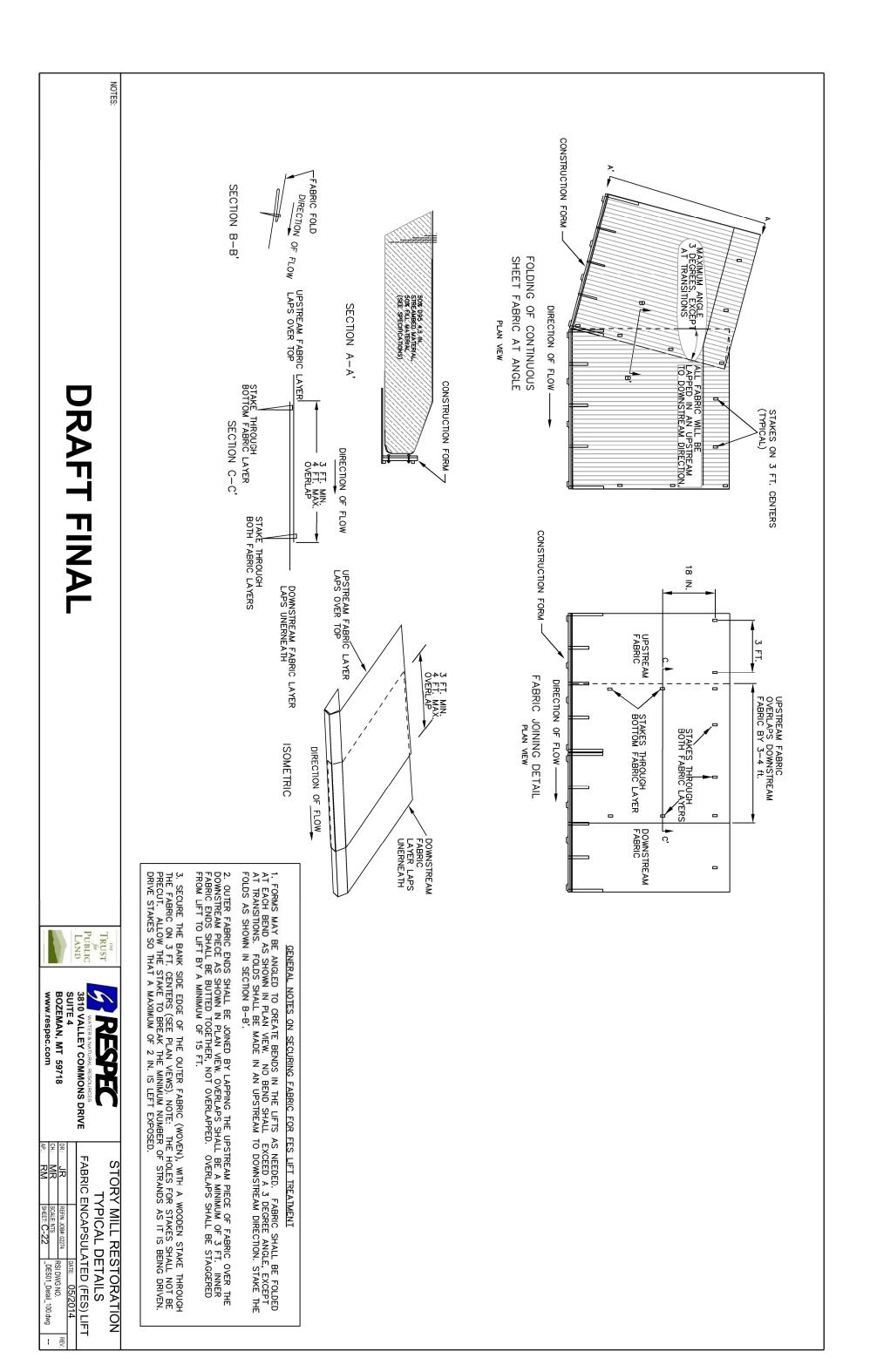


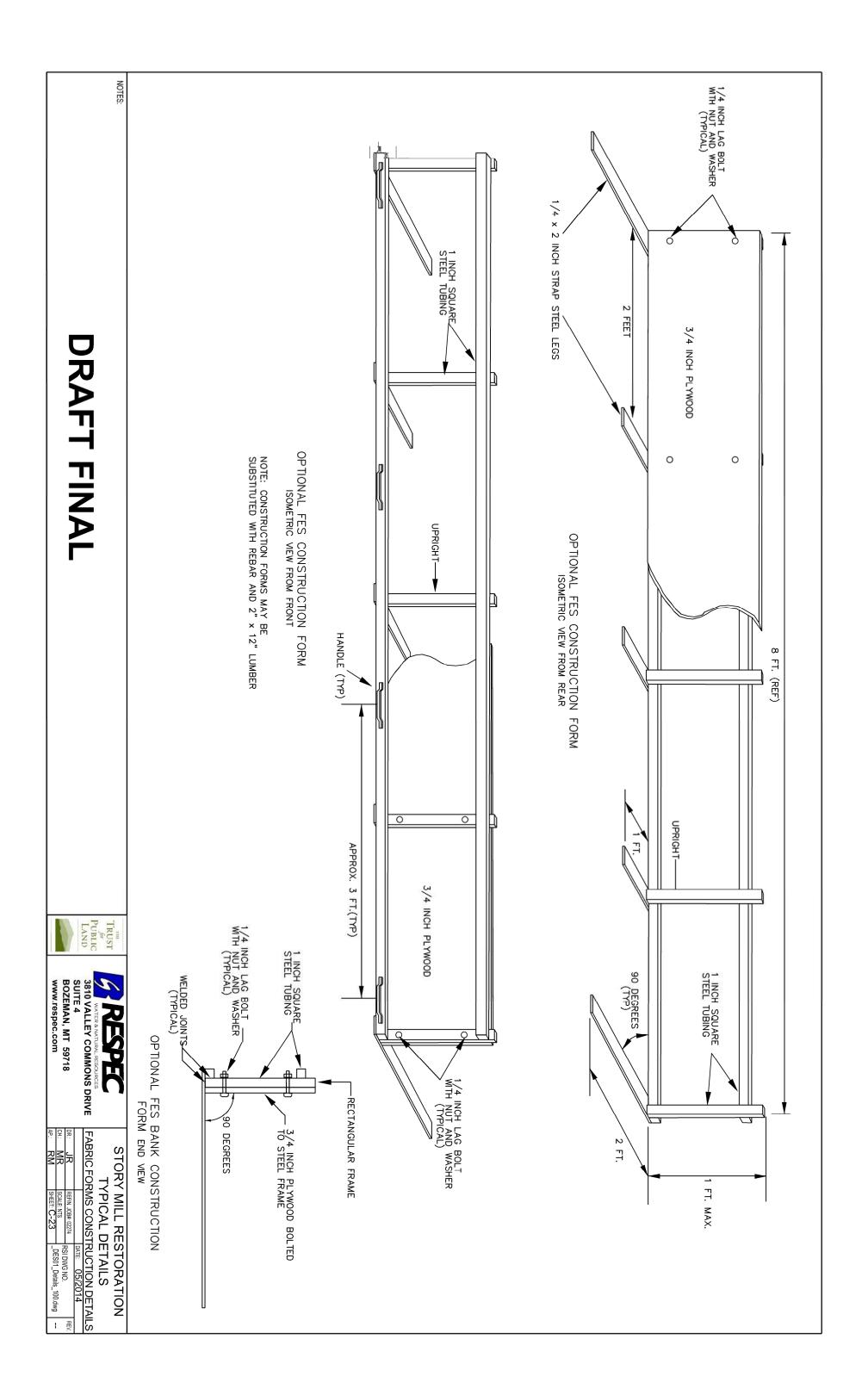
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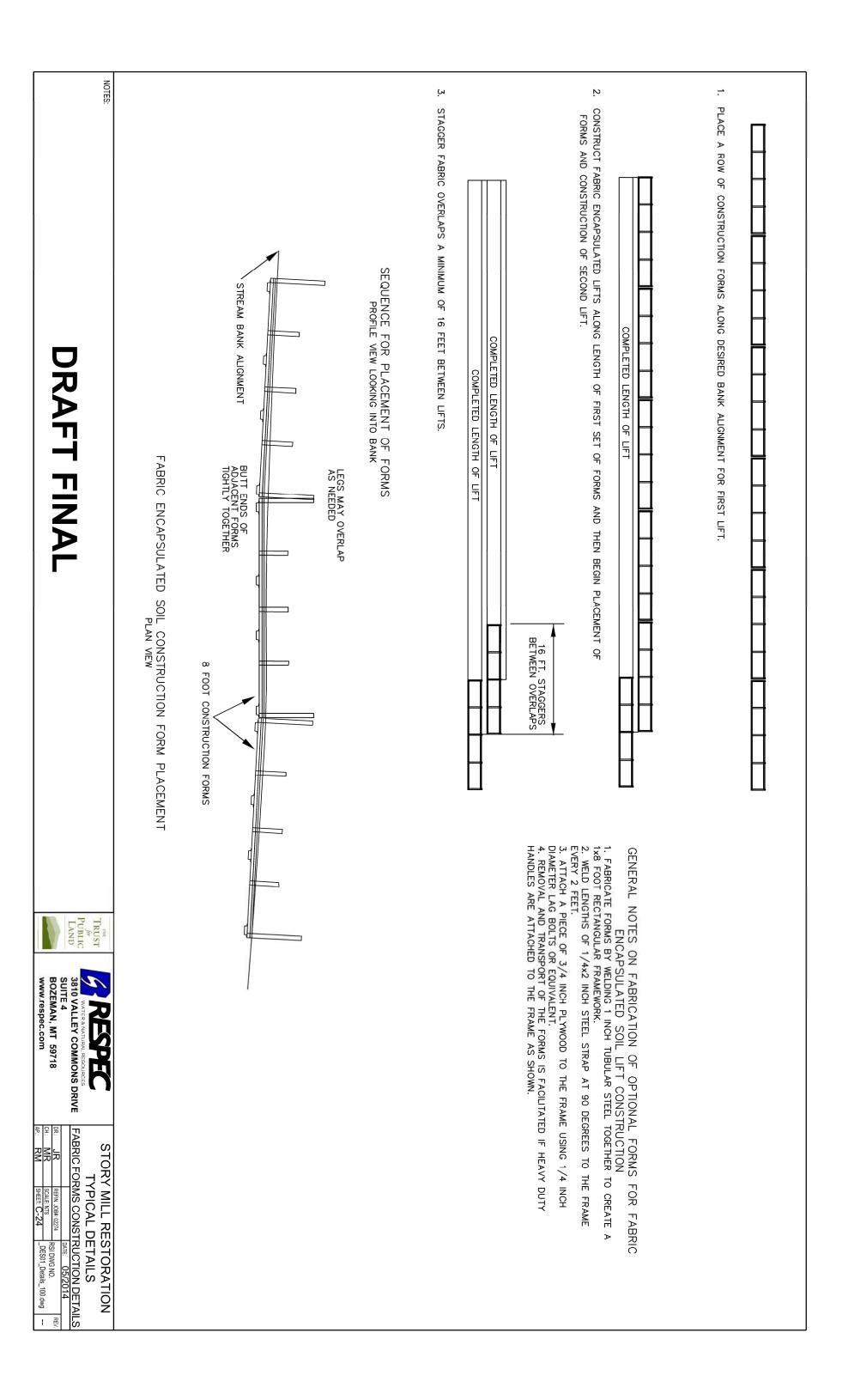
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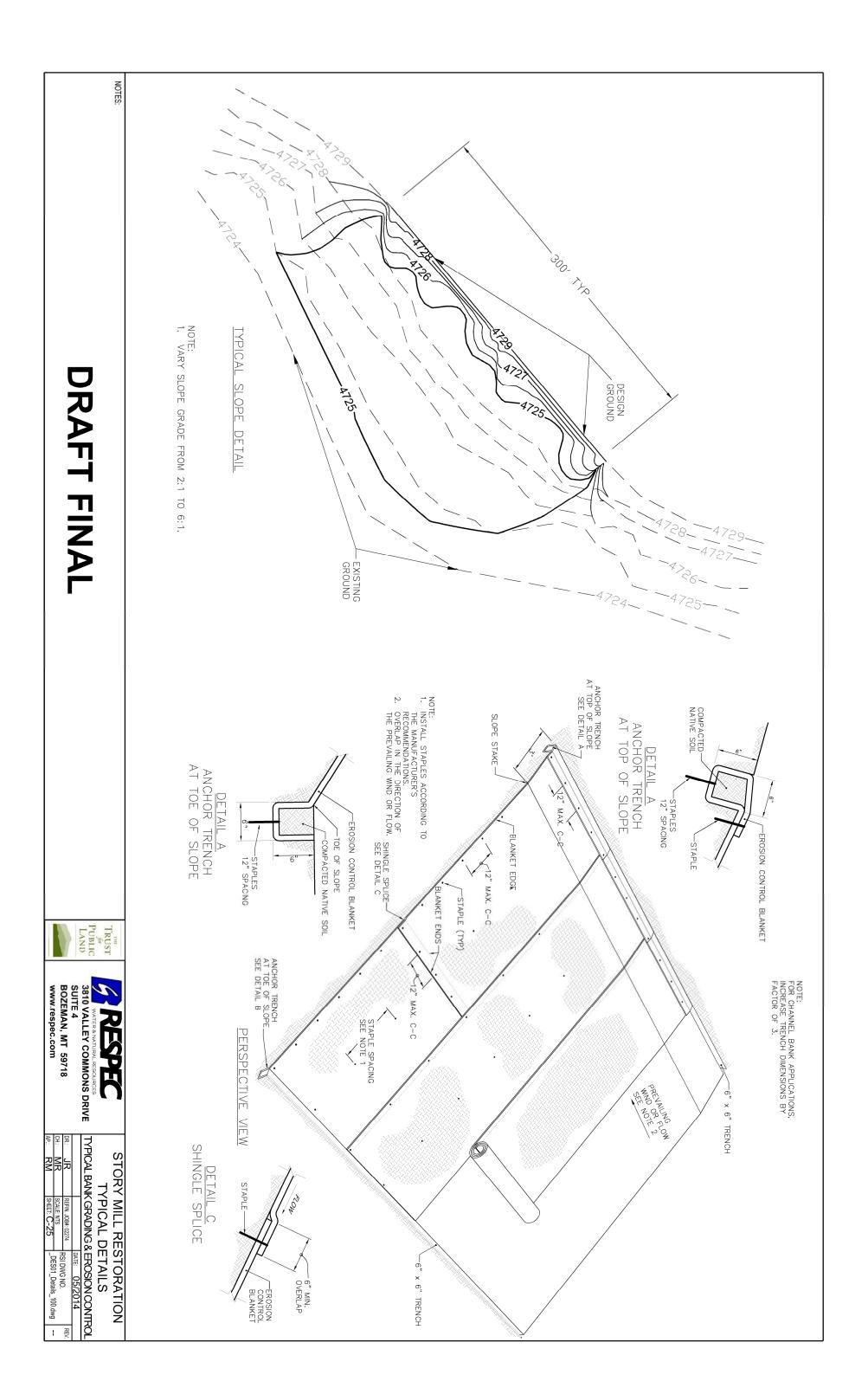
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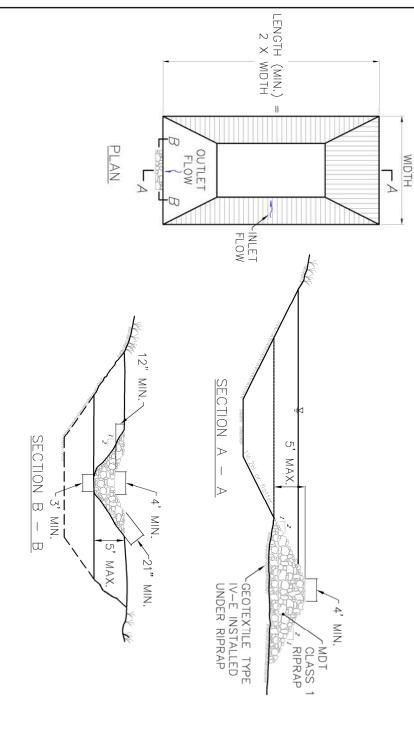
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SEE WATTLE SPACING TABLE

ЙЭНТLY ABUT JOINTS (TYP)

UPHILL SIDE OF SEDIMENT WATTLE

SEDIMENT WATTLE

STAKE SPACING SEE NOTE 3

INSTALL WATTLES LONG CONTOUR

YOINTS (TYP.) -STAGGER

SEDIMENT TRAP

NOTE:

- 5
- З CLEAR, GRUB, AND REMOVE ALL VEGETATIVE MATTER INCLUDING ROOT MAT BEFORE CONSTRUCTING SEDIMENT TRAP.

 REMOVE SEDIMENT FROM SEDIMENT TRAP AS IT ACCUMULATES AND PLACE AS APPROVED BY THE CO.

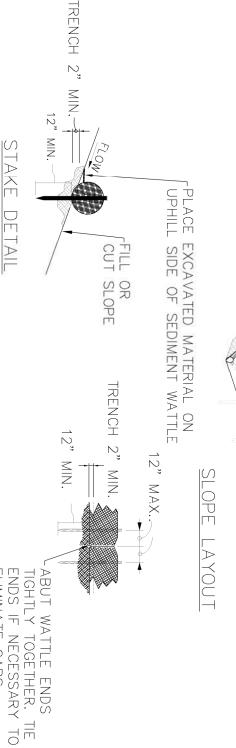
 MAINTAIN A PROPERLY FUNCTIONING SEDIMENT TRAP THROUGHOUT CONSTRUCTION OR UNTIL DISTURBED AREAS CONTRIBUTING TO THE BASIN HAVE BEEN SEEDED.
- DO NOT USE SEDIMENT TRAPS FOR DRAINAGE AREAS OVER ACRES

4.

- ADJUST SHAPE OF SEDIMENT TRAP TO FIT SITE SPECIFIC CONDITIONS.
- SPECIFICATIONS. ONCE CONTRIBUTING AREA IS SEEDED, RECLAIM SEDIMENT TRAP AREA AND INSTALL ENVIROGRID AND SEED ACCORDING TO

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SEDIMENT WATTLE

- NOTE:

 1. REPAIR ALL RILLS OR GULLIES PRIOR TO INSTALLATION.

 2. INSTALL SEDIMENT WATTLES ALONG SLOPE CONTOURS. FOR ANY 20' SECTION OF SEDIMENT WATTLE, DO NOT ALLOW THE SEDIMENT WATTLE TO VARY MORE THAN 5% FROM LEVEL.

 3. STAKE SEDIMENT WATTLES IN PLACE WITH 1" x 1" OR 1"Ø WOOD STAKES. SPACE STAKES 4' O.C. MAX. STAKE SEDIMENT WATTLES AT EACH END.

 4. DRIVE STAKES INTO UNDISTURBED SOIL AT LEAST 12" DEEP. EXPOSE STAKES 2" ABOVE TOP OF WATTLE.
- Ù 2" ABOVE TOP OF WATTLE.

 2" ABOVE TOP OF WATTLE.

 FOR SEDIMENT WATTLES ON BARE SOIL, CONSTRUCT TRENCHES PARALLEL TO THE CONTOUR. PLACE SEDIMENT WATTLES IN CONTINUOUS CONTACT WITH TRENCH BOTTOM AND SIDES. TAMP SOIL BACKFILL AGAINST UPSTREAM SIDE OF WATTLE TO ENSURE STORM WATER IS FORCED TO FLOW THROUGH WATTLE RATHER THAN UNDER IT.

 SEDIMENT WATTLES MAY BE OVERLAPPED ACCORDING TO THE
- MANUFACTURER'S RECOMMENDATION.

WATTLF ELIMINATE GAPS. SEE NOTE 6. JOINT D<u>ETAIL</u>

15	1V:2H OR STEEPER
30	1∨:3H T□ 1∨:2H
45	1∨:4H T□ 1∨:3H
60	1V:4H OR FLATTER
12" Ø WATTLE MAXIMUM SPACING (FT)	SLOPE GRADIENT
CING TABLE	WATTLE SPACING TABLE

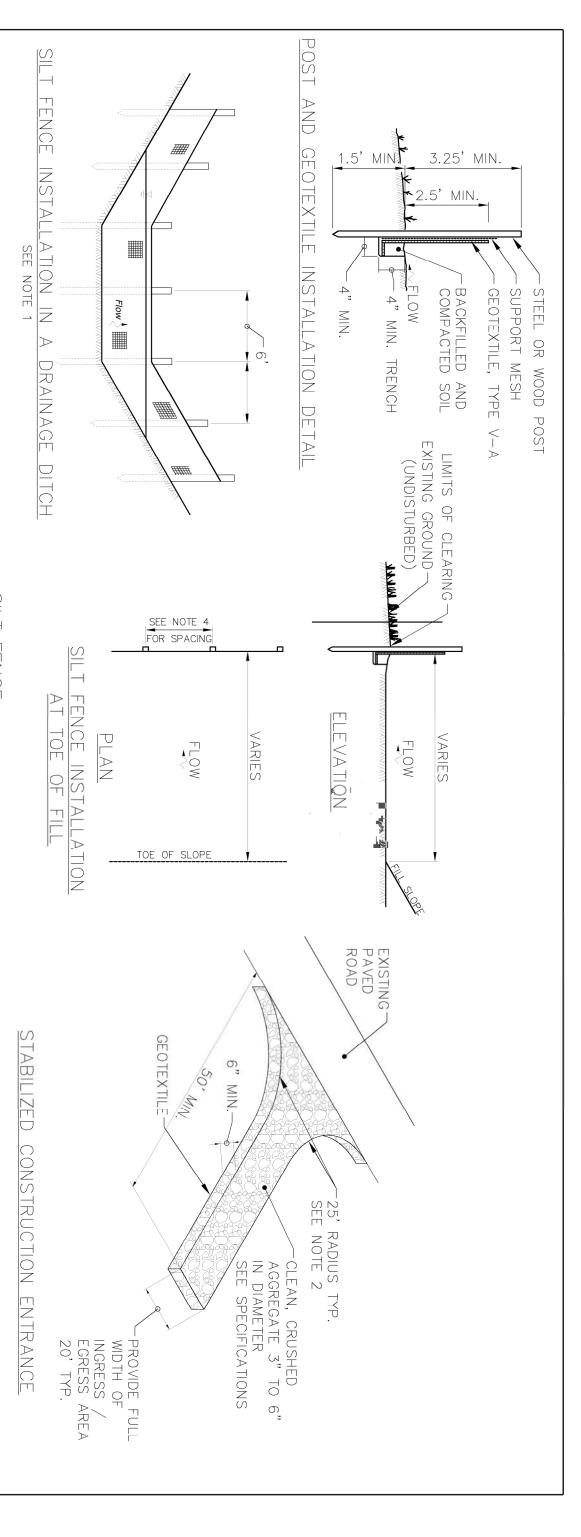
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2	BSI DWO NO	DATE:	Ą	ΕŢ	<u>C.</u>
	5	05/2014	SEDIMENT TRAP AND WATTLE	TYPICAL DETAILS	WICKY MILL KEWICKATION
	REV.				

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- USE DRAINAGE DITCH INSTALLATION FOR LOW FLOW CONDITIONS ONLY WHEN SPECIFIED ON EROSION CONTROL PLAN.
 ALTERNATE PREASSEMBLED SILT FENCE OPTIONS (GEOTEXTILE, TYPE V-B)
 WILL BE ALLOWED AS LONG AS SPECIFIED DIMENSIONS ARE SATISFIED.
- 2 PROCEDURES. ALL TYPES MUST ENSURE SILT FENCE REMAINS ATTACHED TO, AND DOES NOT SLIDE DOWN, SUPPORTING POSTS.
 INSTALL SILT FENCING ALONG GROUND CONTOURS. CURVE ENDS OF SILT FENCE UPGRADE TO PREVENT WATER FROM RUNNING AROUND THE ENDS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION
- SPACING WITH FENCE SUPPORT.

4.

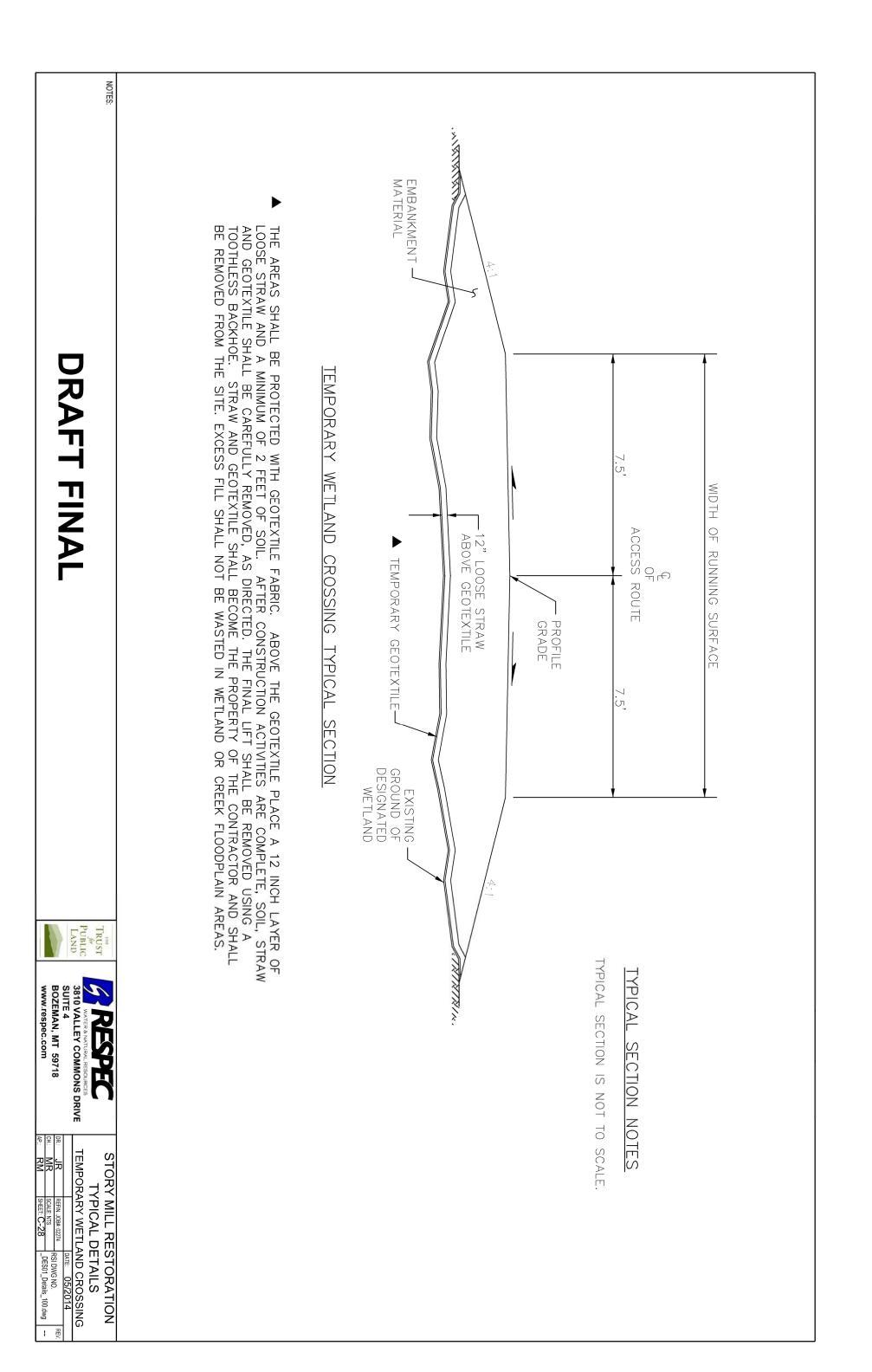
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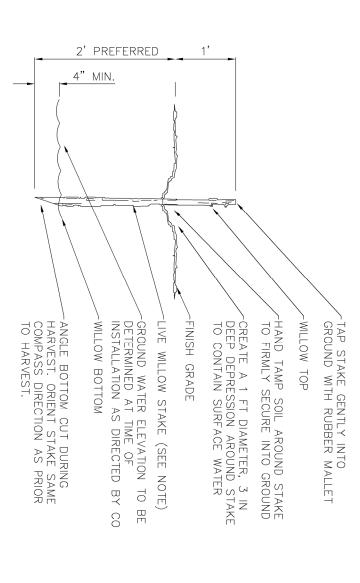


SILT FENCE AND CONSTRUCTION ENTRANCE STORY MILL RESTORATION TYPICAL DETAILS RSI DWG NO. _DES01_Details_100.dwg

- NOTE: 1. CONSTRUCT DRAINAGE CONSTRUCT DRAINAGE DITCHES ALONG ENTRANCE AS DIRECTED BY THE CO. PROVIDE TEMPORARY DRAINAGE WHERE ENTRANCE
- 2 CROSSES EXISTING DRAINAGE DITCHES.
 CONSTRUCT RADIUS TO ALLOW TURNING MOVEMENT OF TYPICAL TRUCK USING E TRUCK USING EXIT. ALLOW TURNING
- З. REMOVE BUILD-UP OF TO REDUCE TRACKING ONTO PAVED ROADWAY. SEDIMENT AS NECESSARY

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TYPICAL WILLOW STAKE PLANTING SECTION

WILLOW STAKE LENGTH MAY VARY BETWEEN 3 FT AND 5 FT. THE WILLOW STAKE BOTTOM END SHALL PENETRATE GROUND WATER AT A MINIMUM OF 4 IN REGARDLESS OF LENGTH. DO NOT FORCE WILLOW STAKES INTO GROUND WITHOUT PROVIDING AND APPROPRIATE SIZE PLANTING HOLE.

Riparian Seed Mix

2	Nipaliali Seed Mix					
	Scientific Name	Common Name	% of Mix	lbs PLS/ Acre	Cost per PLS Pound	Estimated Cost/Acre
	1 Agropyron lanceolatus	thickspike wheatgrass	27.78%	4	\$8.00	\$32.00
	2 Agropyron smithii	western wheatgrass	27.78%	4	\$7.50	\$30.00
	3 Agropyron trachycaulum	slender wheatgrass	13.89%	2	\$5.00	\$10.00
	4 Deschampsia cespitosa	tufted hairgrass	6.25%	0.9	\$18.50	\$7.40
	5 Elymus canadensis	Canada wildrye	13.89%	2	\$12.00	\$24.00
	6 Elymus glaucus	blue wildrye	10.42%	1.5	\$9.00	\$13.50
	TOTAL		100%	14.4		\$126.15
1.T	Table Nates: Iba-marinda: DI C-mira line acced					

Table Notes: lbs=pounds; PLS=pure live seed.

Costs are preliminary and are subject to change based on availability.

Upland Seed Mix

NOTES:

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Wetl	Wetland Seed Mix					
	Scientific Name	Common Name	% of Mix	lbs PLS/ Acre	Cost per PLS Pound	Estimated Cost/Acre
_	Beckmannia syzigachne	American slough grass	17.86%	1	\$25.00	\$25.00
2	Carex nebrascensis	Nebraska sedge	17.86%	1	\$85.00	\$85.00
3	Carex praegracilis	clustered field sedge	7.14%	0.4	\$95.00	\$38.00
4	Deschampsia cespitosa	tufted hairgrass	7.14%	0.4	\$18.50	\$7.40
5	Eleocharis palustris	common spikerush	17.86%	1	\$150.00	\$150.00
6	Glyceria grandis	reed mannagrass	7.14%	0.4	\$90.00	\$36.00
7	Juncus balticus	Baltic rush	3.57%	0.2	\$150.00	\$30.00
8	Scirpus acutus	hard-stem bulrush	17.86%	1	\$60.00	\$60.00
9	Scirpus microcarpus	small-fruited bulrush	3.57%	0.2	\$105.00	\$21.00
	TOTAL		100%	5.6	!	\$452.00
Table N	Table Notes: lbs=pounds; PLS=pure live seed.					

Costs are preliminary and are subject to change based on availability.

סקום	Chiana agentiniy					
	Scientific Name	Common Name	% of Mix	lbs PLS/ Acre	Cost per PLS Pound	Estimated Cost/Acre
_	Stipa viridula	green needlegrass	11.76%	2	\$7.75	\$15.50
2	Stipa comata	needle-n-thread	5.88%	_	\$70.00	\$70.00
ω	Elymus canadensis	Canada wildrye	11.76%	2	\$12.00	\$24.00
4	Elymus glaucus	blue wildrye	8.82%	1.5	\$9.00	\$13.50
5	Agropyron lanceolatus	thickspike wheatgrass	11.76%	2	\$8.00	\$16.00
6	Agropyron smithii	western wheatgrass	11.76%	2	\$7.50	\$15.00
7	Agropyron (Elymus) trachycaulum	slender wheatgrass	5.88%	1	\$5.00	\$5.00
8	Bromus marginatus	mountain brome	23.53%	4	\$6.50	\$26.00
9	Poa secunda	Sandberg's bluegrass	2.94%	0.5	\$9.00	\$4.50
10	10 Oryzopsis hymenoides	Indian ricegrass, Rimrock	5.88%	1	\$12.50	\$12.50
	TOTAL		100%	17	1	\$202.00
Гable N	Table Notes: lbs=pounds; PLS=pure live seed.					
Costs a	Costs are preliminary and are subject to change based on availability.	availability.				

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STORY MILL RESTORATION PLANTING DETAILS

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